ENDLESS POSSIBILITIES!

Video Wall Controllers, Extenders, Video Splitters
Fiber/CATx, DVI, USB, KVM Switches

UltraVista™ SX
Video Wall Controller

- Displays a single-link DVI-D video source across 4 DVI or VGA output screens
- Distortion-free display
- Supports analog and digital outputs
- Resolution up to 1920 x 1200
- HDTV resolution @ 1080p or 1080i

Orion X-Series
Instant video switching
160, 288 ports DVI HD Matrix Switch

- Enterprise HD KVM Switches up to 288 I/O ports
- Maximum link distances: 450 feet over CATx cable or 33,000 feet over singlemode fiber cable
- DVI Converters and Splitters
- Supports resolutions up to 1920 x 1200 @ 60Hz
- Options: USB 2.0, analog or digital audio, serial, and redundant power

Xtensys™

CAT5 KVM Switch, PS/2, USB
Sun, Unix, Mac, and Serial devices

Access & control servers, routers and other serial devices
Deploy user stations up to 1,000' from servers
Auto equalization and skew compensation
Video resolution up to 1920 x 1440
Compatible with CAT5, 5e, 6 or 7 cable
Models available for up to 16 users and 64 CPUs
Space saving micro-mini KVM Transmitter
Advanced security features

CrystalView™ Extenders

Fiber, CATx, Lan
VGA, DVI (Single & Dual Link), HDMI
PS/2, USB, USB 2.0
Audio, Serial RS232

Extends keyboard, video, mouse, serial and audio signal up to 33,000'
Resolutions up to 1920 x 1200
PS/2, Sun, or USB & USB 2.0 support
Serial and full stereo audio options
Dual head and quad head video
Easy installation

Orion™

Fiber/CATx DVI USB KVM Switch

Switches multiple computers to multiple workstations
Support CATx or fiber
Up to 1920x1200 resolution (DVI)
Access via OSD, serial
USB, USB 2.0, DVI, VGA

QuadraVista™ HDMI

Quad video controller
Display 4 computers on 1 monitor

Quad or Picture-in-Picture (PiP) overlay display
Video loss detection / Alarm
Pop-up menu control
Automatic or manual image adjustment
Automatic output monitor resolution detection
PS/2, USB, VGA, DVI

QuadraVista™ II

Quad Screen KVM Switch
View 4 video on 1 monitor

Display four computers on a single monitor
Easily switch to and control each computer in Quad or Picture-in-Picture (PiP) mode
Touch-screen capability
PS/2, USB 2.0, VGA, DVI

ViewLink™ CATx

Micro-Mini CATx KVM Extenders

Extends KVM up to 1,000 ft. over CATx
Automatic compensation and equalization
Automatic video skew adjustments
Up to 1920x1200 (VGA) video resolution
Compact design

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Orion X160 / X288

DVI Matrix Switch

160 / 288-port DVI Matrix Switch

- CATx or Fiber interface
- Extend KVM stations / CPUs up to 450' over CATx cable, 33,000' over fiber
- Supports resolutions up to 1920 x 1200 @ 60Hz
- Up to 288 I/O ports
- Instant video switching
- Options: USB 2.0, Analog or Digital audio, Serial, and redundant power

Features and Benefits

- Extend your KVM stations and computers:
  - Up to 33,000 feet (10Km) using single-mode fiber cable
  - Up to 1,300 feet (400m) using multi-mode fiber cable
  - Up to 450 feet (140m) using CATx cable
- Supports resolutions up to 1920 x 1200 @ 60Hz and all DVI Single-Link resolutions including High-Definition 1080p
- Intuitive OSD for easy use and configuration at each user station
- Signal input to the Orion x160 / x288 can be via CATx or Fiber cable; Signal output from the Orion x160 / x288 can be via CATx or Fiber cable. You can mix or match cable types depending on the transmitter and receiver extender configuration.
- Each port on the Orion x160 / x288 will automatically be configured as an input or output depending on the type of extender that is connected. If a transmitter is connected, the port becomes an input. If a receiver is connected, the port becomes an output.
- Scalable chassis allows you to add additional I/O cards as your system grows. (additional cards in increments of 8 ports)
- Switch video sources of the same resolution instantly with no delay or display blanking
- Available options:
  - DVI or VGA input
  - Transparent USB 2.0
  - Serial
  - Analog or Digital audio
  - Redundant PSU
- Rack mountable (19” / 9U)

The Orion™ x160 / x288 Advantage . . .

The Orion x160 / x288 offers new and unique features that make it one of the most versatile and powerful products available.

Video sources running at the same resolution can be switched instantly with no delay or blanking which makes it ideal for command centers, broadcast applications, financial institutions, and many others.

The Orion x160 / x288 is available with 8 – 288 I/O ports. The uniqueness of these ports is that they can be either an input port or an output port. These I/O ports automatically configure to an input or an output port depending on whether a Transmitter or Receiver unit is connected to it. This feature allows you to set-up the Orion x160 / x288 to match your system. If you have 10 users and 100 computers, it can be set-up for 100 inputs and 10 outputs. Any system configuration where the inputs plus the outputs equals 160 (or 288 depending on model) or less can be accommodated.

Most systems are configured for either Catx connectors or fiber and both the inputs and outputs must match. The Orion x160 / x288 allows you to mix or match cable types. If you have a computer system 5 miles away, it can be connected to the Orion x160 / x288 via Single-mode fiber cable. The user station might be 20 feet away and this can be connected using industry standard CATx cable, greatly reducing the installation cost.

Transmitters and receivers consist of a main card and one of seven optional cards.

← Optional card
← Main Card

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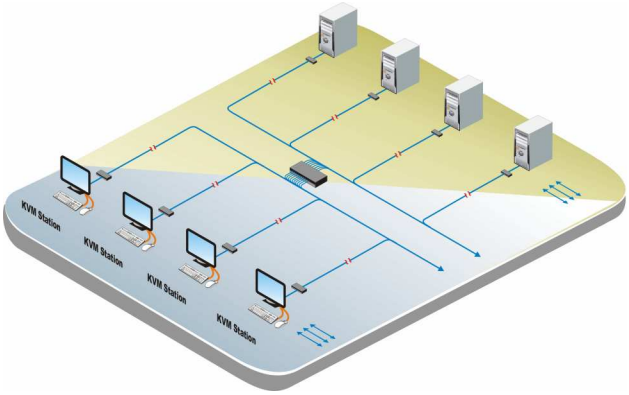
Typical Application



Access your computers over CATx or Fiber cable

Overview

The Orion x160 / x288 system consists of the main unit, a transmitter unit for each connected computer and a receiver unit for each connected KVM workstation. The transmitter and receiver units are available in several models. These models are selected to match the computer and KVM workstations configuration.

The transmitter and receiver units are connected to the Orion x160 / x288 using CATx cable, single-mode fiber cable, or multi-mode fiber cable.

If a computer has a dual-head video card, the dual video transmitter and receiver would be used. USB 2.0 transparent, analog or digital audio and serial configurations can also be added. The Orion x160 / x288 provides a truly flexible and scaleable addition to your system.

Installation

The Orion x160 / x288 can easily be installed to streamline and simplify your system requirements. There is no need to configure the I/O ports because the unit automatically determines if the port is an input or an output. When a transmitter or receiver is connected to the unit it will automatically acquire the transmitter or receiver ID, save the configuration information and automatically allocate the required ports. You can mix or match transmitters or receivers connections to the Orion x160 / x288 using CATx or fiber cable.

Options

– DVI-I input
USB 2.0 transparent
Serial
Analog Audio
Digital Audio

Specifications

W-17.3” / 440mm D-10.5” / 270mm H-15.5” / 395mm

Resolution – 1920 x 1200 @ 60hz

Distance – CATx – 450’ (140m)
Multi-mode fiber (62.5µ) – 650’ (200m)
Multi-mode fiber (50µ) – 1,300’ (400m)
Multi-mode fiber (50µ OM3) – 3,300’ (1Km)
Single-mode fiber (9µ) – 33,000’ (10Km)

Interface – Input CATx or Fiber cable
Output CATx or Fiber cable

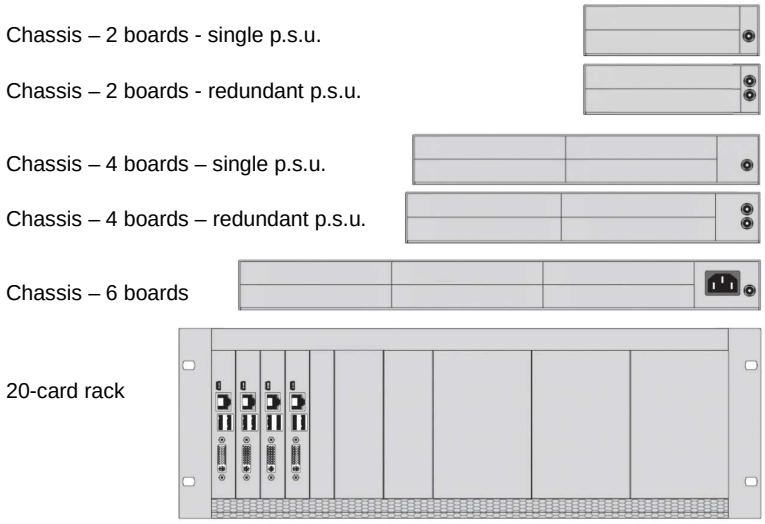
Connectors – RJ45 or LC Fiber

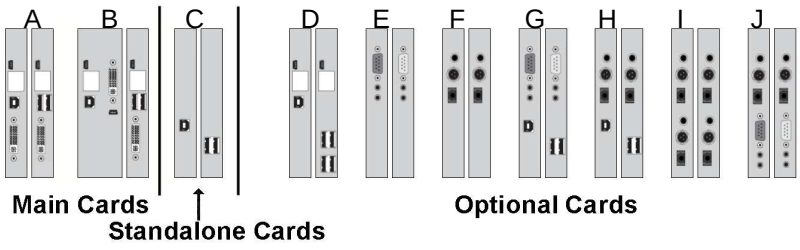
Control – On-screen display (at each KVM station)
(Web, FTP, Telnet, SMTP, Serial, IR)

Ports – 8 to 288 (Expandable in 8-port cards)

Power – 90-240 VAC internal (Optional redundant PSU)

Available transmitters and receivers


Chassis – 2 boards - single p.s.u.
Chassis – 2 boards - redundant p.s.u.
Chassis – 4 boards – single p.s.u.
Chassis – 4 boards – redundant p.s.u.
Chassis – 6 boards
20-card rack



A- DVI-D, USB-HID
B- DVI-I , USB-HID
C- USB Transparent
D- USB-HID
E- Analog audio (bidi) + RS232
F- Digital audio (unidi)
G- Analog audio (bidi) + RS232 + USB-HID
H- Digital audio (unidi) + USB-HID
I- Digital audio (bidi)
J- Digital audio + analog audio + RS232

Cards insert into the chassis or rack. Optional cards must be combined with a main card. Cable connectors can be for CAT5, single-mode fiber or multi-mode fiber

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QuadraVista HDMI

Quad Video Controller

Quad Video KVM Switch - HDMI

- **Resolutions up to 1920 x 1200**
- **Auto or manual image adjustments**
- **PiP function**
- **Touch screen support**
- **USB hub support**
- **HDCP compliant**

Features and Benefits

- HDMI / DVI support (DVI via DVI to HDMI adapter)
- Supports resolutions up to:
  1920 x 1200 @ 50/60 Hz or
  1600 x 1200 @ 75 Hz
- Auto detection of input video signal and output monitor resolutions
- Control up to four HDMI sources on a single display
- Adjustable quad video windows or full screen display
- Touch screen support
- Picture-in-Picture support
- Four analog audio inputs / 2 built in speakers
- Local headphone and microphone jacks
- Customizable display with 3D borders, labels, volume bar, background picture and more.
- Full keyboard and mouse control of the HDMI source computers
- Supports USB and PS/2 based computers
- USB hub support for connecting USB printers, cameras, flash drives, graphic tablets and other USB compatible devices
- Intuitive keyboard controls to:
  - Toggle a window on or off
  - Increase of decrease audio volume
  - Toggle full screen mode on or off
  - Switch audio source
- Access and control the connected computers from a remote laptop using our custom access software
- Two operating modes, Host and Remote, are available

The QuadraVista™ HDMI Advantage .

The QuadraVista HDMI is a flexible and powerful multi-viewer product with the capability to control and monitor up to four HDMI video sources on a single display. Each of the quadrants can be adjusted and positioned to any size or location on the display.

The QuadraVista HDMI can be accessed locally, sending ASCII commands using HyperTerminal, or from a third party controller for control over IP.

The QuadraVista HDMI provides simultaneous support for HDMI and DVI video. The video features that the QuadraVista HDMI incorporates are:

- Automatic sensing of the input signal
- Picture-in-Picture
- Video loss detection
- Signal is automatically detected

The front panel LEDs indicate the mode the unit is operating in. The MODE LED is green when the unit is on-line and control is via the connected keyboard and mouse. A yellow LED indicates that the unit is controlled from a remote computer.

Each of the display windows can be resized, repositioned, swapped, or locked to the present window layout. These functions are easily performed with a simple mouse click.

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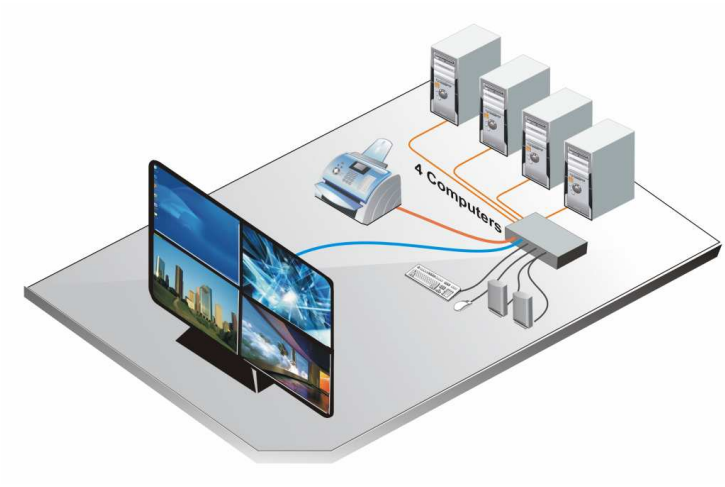
Typical Application



QuadraVista HDMI basics The QuadraVista HDMI system consists of the main unit, four computers with HDMI or DVI video ports (a DVI to HDMI adapter is required for DVI video sources), USB keyboard and USB mouse, speakers, microphone, USB peripherals like a printer, web cam, digital camera, USB flash drive or other compatible USB devices and the HDMI display.

The QuadraVista HDMI can be set-up to display the four video sources on the monitor, or in a PiP mode. Each quadrant can be resized or re-positioned anywhere on the display monitor. The video windows can be swapped to any layout needed.

Installation The QuadraVista HDMI installation consists of connecting the four HDMI video sources to the unit, a USB keyboard and USB mouse, a set of speakers, microphone, any USB peripherals needed and the display monitor. With these connections the unit can be operated from the local keyboard and mouse. Connect a network cable to a router and the network and access and control can be performed over the network.

Operation Operating the QuadraVista HDMI is performed using keyboard commands or mouse functions. The keyboard commands can turn on or off a display window, lock the display layout, load a preset configuration file, switch the audio source and other functions.

The mouse functions will display pop-up to switch from quad screen to full screen, resize a window, swap windows, access a remote computer and other functions.

Part Numbers

	QuadraVista HDMI
	HD15 All-in-one cable
	HDMI mm cable
	USB A/B cable
	+12VDC power adapter

Specifications

Dimensions

Width	Depth	Height	Weight
6.9 in.	10.3 in.	1.7 in.	2.8 lbs
174 mm	260.6 mm	44 mm	1.26 kg

Resolution	Up to 1920 x 1200 @ 50/60 Hz 1600 x 1200 @ 75Hz
Power	Input: 100-240 VAC 50/60 Hz Output: 12 VDC, 5 A, 60 watts
Connectors	Front: 1- USB Type A - Keyboard 1- USB Type A - Mouse 2- USB 2.0 Type A 1- Microphone 1- Headphone 1- USB Type B (Remote Keyboard/mouse control) Rear: 4- DB15 (For computer's USB / PS-2 / Audio) 4- HDMI (For computer's video in) 1- HDMI (For DVI monitor) 1- RJ45 (Ethernet) 1- Power jack
Indicators	PC1/2/3/4 – Computer active/standby Mode Mode – Host or Remote Pwr – Power on / off
Operating Temp	32℉-104℉ (0℃ - 40℃)
Storage Temp	-4℉-122℉ (-10℃- 50℃)
Humidity	0%-80% non-condensing
Approvals	FCC / CD / C-Tick / Class B

Rear View

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QuadraVista 2

Quad Video Controller

Quad Video with USB Support

- Display four computers simultaneously on a single monitor
- Touch-screen capability
- View live, real-time data in each window
- Easily switch to and control each computer in Quad or Picture-in-Picture (PiP) mode
- Connect a USB 2.0 port to any or all computers
- VGA and single link DVI video support available
- High Quality video up to 1920 x 1200 (DVI)

Features and Benefits

- Four view modes available: Single, Dual, Quad, and PiP modes.
- Monitor and operate the connected computers using a touch-screen monitor
- Connects to four computers making each video source viewable and controllable on a single monitor
- Quad mode displays four computers on one screen
- PiP mode displays one computer display full screen with three thumbnail displays
- Dual mode displays the left half of two channels
- Easy-Find active window feature
- Connect up to 4 USB 2.0 devices and connect one device to any computer
- On-screen menus for easy set-up, configuration, and use. Crisp, clear, high quality video
- Video resolution up to 1920 x 1200 @ 60 Hz for DVI video and 1600 x 1200 @ 60hz for VGA video.
- Keyboard commands and front panel controls for changing display modes
- Switch to and control any of the four screens while monitoring the other three connections in real time.
- VGA and single link DVI video support
- Supports USB computers, PS/2 computers, including SUN and MAC
- Connect to KVM switches to view and control multiple computers, routers, Ethernet switches or other devices
- Deploy with Rose CrystalView Fiber Extenders to view and control computers up to six miles away
- Rack mount kits available in 19", 23", and 24" sizes
- Quick and simple to install
- All Rose Electronics products come with a 30-Day Money Back Guarantee and free Technical Support
- Flash memory technology allows for fast and reliable upgrades.

The QuadraVista 2™ Advantage . . .

The QuadraVista 2 professional Quad Video KVM Switch represents the latest in KVM video splitting technology at affordable prices. The QuadraVista 2 allows a user to connect to, control, and display four computers on a single monitor or access a KVM switch to connect multiple computers.

The advanced design of the QuadraVista 2 provides four viewing modes: Quad Screen, Dual screen, Picture-in-Picture (PiP) and Full Screen. Control of a selected computer can be done while in any of the three modes. View four computers in the quad screen mode and control any one of them while monitoring, in real time, the other three computers. In the PiP mode you can view one display on a full screen while monitoring smaller displays of the other three computers.

The on-screen menus make configuring, monitoring, and computer and USB switching quick and easy. An On-Screen display can be opened to identify the active window.

The QuadraVista 2 supports all combinations of both VGA and single link DVI video cards and monitors. Each CPU port can be configured for VGA or DVI (analog or digital) and QuadraVista 2 can process these signals simultaneously. The video can be viewed on a digital or analog monitor.

Connect a touch-screen monitor and operate, and control the connected computers. Add a USB device and connect it to any of the computers.

Be more productive, organized and efficient with the dynamic, new QuadraVista 2, Quad video KVM Switch, from Rose Electronics.

Real-time quad view

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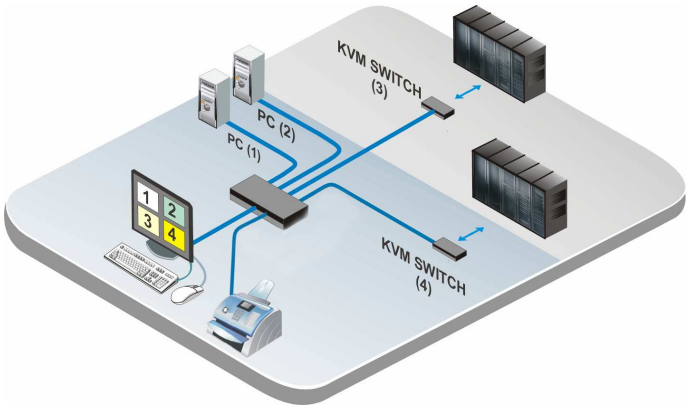
Typical Application



Models The QuadraVista 2 Quad Video KVM Switch is available in a single-user, four computer model. Adding KVM switches to it can expand the system to 1,000s of computers and serial devices.

Cables Cable connections on the QuadraVista 2 to the user station are USB for the keyboard and mouse, and DVI for the video. Connections to the computers are USB or PS/2 for the keyboard and mouse and DVI for the video.

Installation QuadraVista 2 is easy to install. Simply connect up to four computers and a user station to the QuadraVista 2 ports. Access the on-screen menu with a simple keystroke, configure each computer connection for VGA or DVI and save it in flash memory.

Operation QuadraVista 2 is very easy to operate. Once installed, you can switch full screen to any of the four connected computers and fully control that computer from your user station. Switch to a connected computer using the front panel push-buttons or using simple keyboard commands. Switch to the Quad screen mode and view the four computers on one screen. You can fully control one of the four computers while viewing the other three in real time. Each USB port (1-4) can be easily routed to any or all computers.

Video The QuadraVista 2 will automatically determine the video resolution of the KVM video monitor and each of the four connected computer's video. Video input formats that are supported range from 640 x 350 @ 85Hz to 1900 x 1200 @ 60Hz. Video output formats that are supported range from 640 x 480 @ 85Hz to 1900 x 1200 @ 60 Hz and SUN 1152 x 960 @ 66Hz.

Keyboard and Mouse The QuadraVista 2 uses a USB keyboard and mouse on the user side and either a USB or PS/2 keyboard and mouse for each computer connection.

Flash Memory To support the latest devices, QuadraVista 2 contains flash memory. We provide free, lifetime firmware upgrades, available from our FTP site.

On-screen Menu The on-screen menu allows you to access the intuitive interface to set-up the system, console, and computers. The system configuration defines the Hot Keys, the menu position, and reset to factory default settings.

The computer menu allows you to manually configure the video input and output format, horizontal screen position, and VGA/DVI connection.

A help menu is available which shows a list of the keyboard commands, firmware and hardware revision levels and contact information.

Rack Mount Rack mount kits are available to mount the QuadraVista 2 in a standard 19", 23", of 24" rack.

Part number

Model	CPU ports
QV-4KVMUDVI	4
RM-QVxx	Rackmount kit (xx= 19", 23", or 24")

Specifications

Dimensions	17.2W x 9.15D x 1.75H (in) 436.9W x 232.4D x 44H (mm)
Weight	6.1lbs / 2.77kg
Connectors	Power – IEC320 CPUs – DVI, PS/2 or USB 4 USB 2.0 Type A ports User station – DVI, USB RS232 – RJ12 (6-pin)
Power	90 – 240 VAC, auto-switching 40 Watts
Resolution	Up to 1900 x 1200 @ 60 Hz (DVI 1600 x 1200 @ 60 Hz (VGA)
Controls	Power on/off switch, port selector switches Single/Quad/PIP mode
Indicators	Chassis Power, CPU select
Chassis	Electro-galvanized steel, black powder coated (Top cover)
Environmental	0°C – 45°C / 0% –80% RH non-condensing
Approvals	CE

Rear View

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UltraVista SX

2x2 VIDEO WALL

UltraVista SX Video wall

Distortion-free display

Supports analog and digital outputs

Displays a single-link DVI-D video source across 4 DVI or VGA output screens

Resolution up to 1920 x 1200

HDTV resolution @ 1080p or 1080i

Features and Benefits

- Single-Link DVI-D input
- Supports analog and digital LCD displays
- Resolutions up to 1920 x 1200 / 1080 p/i (minimum resolution – 800 x 600)
- Input source is displayed on 4 displays, each showing ¼ of the image (2 x 2 video wall)
- Easy, simple installation
- No additional hardware or software needed
- Learn mode for obtaining the DDC specifications (DDC table) from a PC, Mac, or from the connected monitors
- Ideal for:
  - Video walls
  - Information displays
  - Training / education centers
  - Convention centers
  - And many more applications

The UltraVista SX Advantage . . .

The UltraVista SX is the ideal product for displaying your high definition images and video over a 2x2 video wall. The display is shown in real time with ¼ of the input image shown on each of the four VGA or DVI screens.

UltraVista SX supports resolutions up to 1920 x 1200 single-link digital video input and up to 1920 x 1200 digital or analog video outputs. For VGA analog monitor connections a DVI to VGA adapter must be used.

The UltraVista SX is one of the easiest video wall products to install. Just connect a single-link DVI-D high-resolution video source to the DVI input connector. Connect four DVI or VGA monitors to the DVI-I output connectors. Download the DDC information (using the front panel buttons and display) from a PC, a Mac, or from the display screen. That's it, no software to load, no hardware to add or video cards to configure. Simple, easy, straight forward installation is what makes UltraVista SX so attractive.

UltraVista SX maintains the original resolution quality of the input image on all monitors, producing a crisp, clear, perfect image.

Display a video source across four displays

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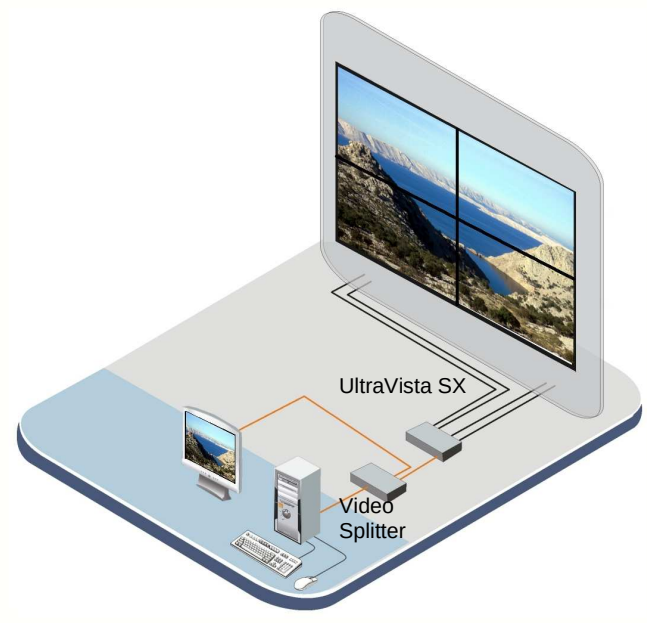
Typical Application



Models The UltraVista SX is available in a 2 x 2 real-time video wall system. The unit has one DVI-D video input and four DVI video outputs.

Cables Cable connections to the UltraVista SX are DVI-D video cables or DVI/VGA adapters for using VGA displays.

Installation The UltraVista SX installation is a very easy and simple process. It consists of connecting the DVI-D video source to the DVI input port. Then connect the four output ports to the DVI video displays. There is no additional software or hardware to install or configure.

For local viewing, Rose Electronics offers several DVI video splitter models that allow you to view the video signal locally. If extended distances are needed our line of DVI CATx or fiber extenders can extend the distances up to 33,000 feet.

Video The UltraVista SX can obtain and save the DDC information from a PC, a Mac, or from the monitor connected to output port #4. The front panel display configures this option.

Part Numbers

Part #	Description
VWL-S122DV	Video Wall unit, 2x2 display
VSP-2DVI	Video Splitter, 1 video input, 2 video output (DVI-D)

Specifications

Dimensions 17.0W x 7.0D x 1.75H (in)
431.8W x 177.8D x 44.45H (mm)

Weight 4.05lbs / 1.83kg

Resolution Single-Link DVI – 1920 x 1200
VGA – 1920 x 1200
HDTV – 1080p or 1080i

Bandwidth 165 MHz

Connectors Power – +5VDC-3A
Video in – DVI-D (Single-Link)
Video out – DVI-I

Power 100 – 240 VAC, auto-switching
50/60 Hz, 40 Watts to 5VDC / 3A power adapter

Controls Scroll / Enter buttons

Temperature
Operating 0℃ – 35℃ / 32℉ – 95℉
Storage -20℃ – 50℃ / -4℉ – 122℉

Humidity 0% –80% RH non-condensing

Front / Rear view

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E-mail : info@naraevision.co.kr

UltraVista LC

Video Wall

Video Controller / Splitter Video Wall

Display a single video input on an array of monitors

Models available in a 2x2, 3x3, and 1x4 (Horizontal)

High Definition video output up to 1920 x 1200)

Supports video input resolutions up to 3840 x 2400

Expandable to produce a 4 x 4 array or a 9 x 9 array

Display mode automatically selected depending on input resolution

Features and Benefits

- Supports Dual link DVI video input
- Single-link DVI video outputs
- Models:
  - 2x2 - 1 dual-link DVI input / 4 single-link DVI outputs
  - 3x3 - 1 dual-link input / 9 single-link DVI outputs
  - 1x4 – 1 dual-link DVI input / 4 single-link DVI outputs

  (monitors orientated horizontally)
- Supports video input resolutions up to 3840 x 2400
- Output resolutions up to 1920 x 1200
- Depending on input resolution, the display mode is automatically set for:
  - Clone mode (Same image on all monitors)
  - Split mode (Same image on each row)
  - Video wall mode (Image split over all displays)
- Easy adjustments for bezel compensation
- Expand a 2x2 model easily to a 4x4 display, a 3x3 model to a 6x6 or a 9x9 display array.
- Configure the 1x4 model with 4 monitors arranged horizontally
- Adjustments and control can be performed using a remote control or commands from a connected computer using the OSD functions
- Compatible with most monitor that supports DVI input. Displays can be LCD, HD Plasma, DLP, Projectors, or others.

The UltraVista LC Advantage . . .

The UltraVista LC is the product of choice for those who have the need to produce a high quality, inexpensive video wall. Models are available for a 1x4, 2x2, or 3x3 video wall. The 2x2 and 3x3 models can be expanded to produce a 4x4 or a 9x9 video array.

Connect the UltraVista LC directly to a laptop or desktop computer with a single DVI cable and instantly the hi-definition computer image is displayed on a large video wall. No extra set-up is required because the UltraVista LC automatically detects the correct settings.

UltraVista LC requires a high resolution dual link DVI input from the video source. The video source is split directly over the display array with no image scaling or adjustments. Control of the UltraVista LC can be performed remotely using the remote control or from a connected computer with an RS232 serial port.

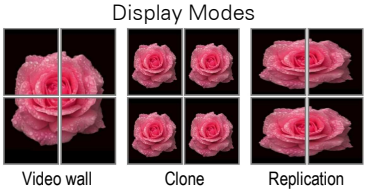
The UltraVista LC can be automatically configured to produce three output modes; video wall mode, clone mode, and replication mode. These modes are automatically configured based on the input resolution received from the video source.

The video wall mode accurately splits the input image over the display array.

The clone mode displays the same image on all monitors.

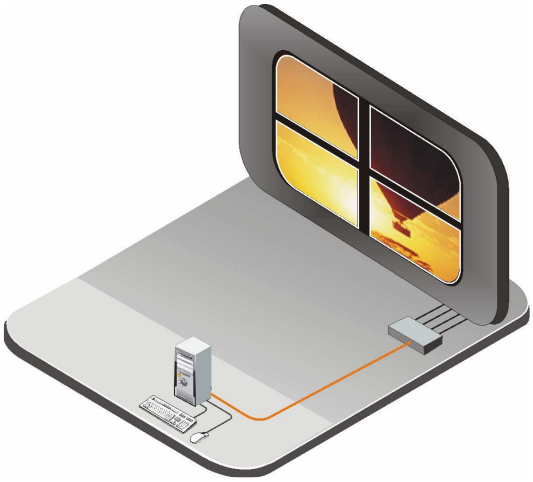
The replication mode shows the same image on each row of monitors.

Display Modes



ROSE ELECTRONICS

Typical Application



Models: The UltraVista LC is available in 3 models:

The 2 x 2 - Displays a single DVI video source on a 2x2 video wall (expandable to a 4x4 video wall)

The 3 x 3 - Displays a single DVI video source on a 3x3 video wall (expandable to a 9x9 video wall)

The 1 x 4 - Displays a single DVI video source on a 1x4 video wall (4 horizontal DVI displays)

Cables: A dual-link DVI-D cable is used to connect the graphic card output to the UltraVista LC DVI input. The DVI monitors used can connect directly to the DVI output connectors. If a greater distance is needed between the UltraVista LC and the monitors or from the computer video source to the UltraVista LC, Rose Electronics' DVI extender line can extend the distance to 450 feet over CATx cabling or up to 33,000 feet over fiber cable.

Installation: Installing the UltraVista LC is a very quick and easy process. Connect the DVI video displays, the high definition video source, RS232 cable, and the power adapter to the unit, Power on the monitors, the UltraVista LC unit, and controlling computer. Adjust the output screen resolution, and the bezel settings and you're done.

Operation: Operating the UltraVista LC is almost automatic. Provide the high-resolution image to display on the video wall and the unit does the rest. In an expanded system, only the master unit needs to be set-up. UltraVista LC will adjust the remote unit for a smooth image transition between displays.

Specifications

P/N	Description
VWL-B114D	1x4 video wall (Horizontal)
VWL-B122D	2x2 video wall
VWL-B133D	3x3 video wall

Dimensions:

	Width (in / mm)	Depth (in / mm)	Height (in / mm)	Weight (lbs / kg)
2x2	9.1/230	7.0/178	1.85/47	
3x3	11.6/295	7.4/188	1.85/47	
1x4	9.1/230	7.0/178	1.85/47	

Video:

Dual link	DVI-D
Resolution	Input – up to 3840 x 2400 Output – up to 1920 x 1200

Connectors:

DVI in	Dual-link DVI-D female
DVI out	Single-link DVI-D
Power	Male barrel jack

Controls: Front Panel push buttons

Power: Adapter – 90-264 VAC in / +12V out (2x2 – 10W / 3x3-17W)

Operating Temp. 32°F - 104°F (0°C - 40°C)

Approvals: CCC, CE, FCC

Rear Panel

Top – VWL-B122D (2x2)
Bottom – VWL-B133d (3x3)

Resolution / Mode selection tables

1 x 4 model resolution table

Mode	Input Resolution	Output Resolution
1 x 3	2544x480 2400x600 2880x600 3072x768	848x480 800x600 960x600 1024x768
1 x 4	3392x480 3200x600 3840x600 4092x768	848x480 800x600 960x600 1024x768

2 x 2 model resolution table

Mode	Input Resolution	Output Resolution
1 x 1	1024x768	1024x768
2 x 1	2560x1024 3840x1080 3840x1200	1280x1024 1920x1080 1920x1200
2 x 2	2048x1536 2560x2048 2560x1440 2560x1600 2720x1536 3840x2880 3840x2160 3840x2400 2560x1920 1280x960 3392x1920 1696x960	1024x768 1280x1024 1280x720 1280x800 1360x768 1920x1440 1920x1080 1920x1200 1280x960 640x480 1696x960 848x480

3 x 3 model resolution table

Mode	Input Resolution	Output Resolution
2 x 3	2048x2304 2560x2400 2560x3072 2720x2304	1024x768 1280x800 1280x1024 1360x768
3 x 2	3072x1536 3840x1600 3840x2048 4080x1536	1024x768 1280x800 1280x1024 1360x768
3 x 3	3072x2304 3840x2160 3840x2400 3840x3072 4080x2304 1920x1440 3840x2880	1024x768 1280x720 1280x800 1280x1024 1360x768 640x480 1280x960

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CrystalView EX5

DVI, USB 2.0 KVM Extender

KVM Extender

Extend your high definition Video, keyboard, mouse, and USB 2.0 devices, over CATx cable.

Supports resolutions up to 1920 x 1200

Three USB port available on the receiver unit

Standard USB hubs can be used to increase the number of USB devices connected to a maximum of 13 and 4 hub levels.

Supports USB keyboards, mice, printers, scanners, flash drives, touch screens, web cams, game controllers, and many more USB device types

Easy installation

Features and Benefits

- Supports uncompressed HD DVI video with resolutions up to 1920 x 1200, 24-bit color depth
- Supports USB 2.0 (high-speed / 480 Mb/s), USB 2.0 and 1.1 (Full-speed / 12 Mb/s, and USB 2.0 and 1.1 (Low-speed / 1.5 Mb/s
- Extend your workstation up to 330 feet over CAT5e or better cable.
- 3-USB port available on the receiver unit
- Standard USB hubs can be used to increase the maximum number of connected USB devices to 13 and 4 USB hubs.
- Up to 500 mA of power is available at each USB port for powering high-power USB devices
- Plug-and-Play installation, no configuration or set-up needed.
- Installation consists of:
  1. Connecting the receiver to your DVI monitor, USB keyboard and mouse, speakers and USB device(s)
  2. Connect the transmitter to your computer's DVI video port and USB port.
  3. Connect the transmitter to the receiver with up to 330 feet of CAT5e or better cable.

Apply power and the installation is complete.

Transmitter / Receiver require a +5VDC power adapter

The CrystalView™ EX5 Advantage

The CrystalView EX5 KVM extender is the extender of choice for extending your workstation up to 330 feet from your computer. You can fully operate and control all of your computer functions as if you were directly connected.

Access to your computer is made convenient in a variety of situations. You can locate users away from hazardous environments where the computer is located, locate devices away from areas vulnerable to theft, reduce noise and heat; increase desk and floor space.

If additional USB devices are needed, you can add up to 4 USB hubs to the three port receiver model and connect up to 13 USB devices.

The CrystalView EX5 extender supports all USB 2.0 devices. It is ideal for use in industrial control areas, digital signage, connecting cameras for security systems, USB device printing, scanning and storage.

Supports all major operating systems including:

Windows®, MAC®, and Linux®

Supports USB printers, scanners, web cameras, USB hard drives, flash drives, MP3 players and more.

ROSE ELECTRONICS

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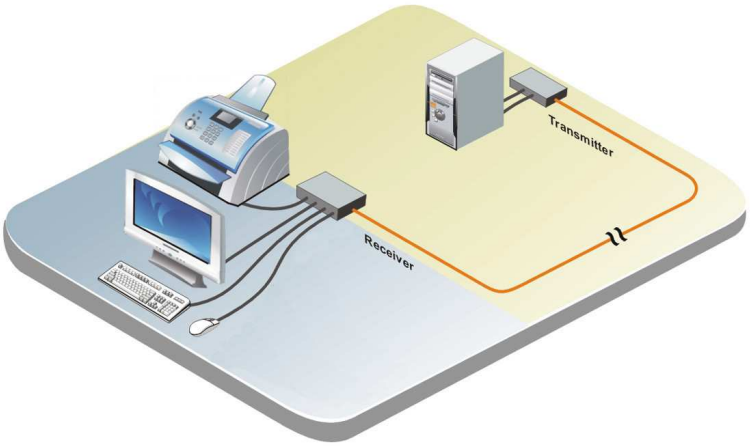
Typical Application



Control your computer up to 330 feet (100m) away

Overview The CrystalView EX5 extender is usually sold in pairs, a transmitter unit and a receiver unit. The transmitter unit connects to your computer and the receiver unit connects workstation. The transmitter and receiver unit are connected together with up to 330 feet of CAT5e or better cable. The receiver unit supports up to 4 USB hubs for adding additional USB devices.

Installation Installing the CrystalView EX5 extender is as simple as connecting the computer to the transmitter unit, connecting the receiver unit to your workstation equipment and connecting the transmitter and receiver together with CAT5 cable.

Expanding with a USB hub In addition to the three USB ports on the receiver unit, you can add up to 4 standard USB hubs to the receiver unit to access additional USB devices. Connecting 4 USB hubs to the receiver will increase the number of USB devices that can be connected to a maximum of 13 devices and 4 hubs.

Part Numbers

CRK-1DTXT-EX5 Transmitter / Receiver Kit

Specifications

Dimensions	Width	Depth	Height
(in)	6.9	4.4	1.18
(mm)	175	112	30

Distance 330 feet (100m)

Resolution uncompressed - 1920 x 1200
24-bit color depth

Connectors

Local
DVI-D (Video in)
USB Type B
Link RJ45
Power +5VDC, 3A power adapter

Remote
DVI-D (Video out)
Link RJ45
(3) USB Type A
Power +5VDC, 3A power adapter

Indicators

Transmitter
Status – Green LED
Link – Green LED
Video – Green / Amber LED
USB – Green / Amber LED

Receiver
Status – Green LED
Link – Green LED
Video – Green / Amber LED
USB – Green / Amber LED

Power Transmitter +5V DC / 3.0A
Receiver +5V DC / 1A

Receiver output 500mA per USB output port (3) at each USB port.

Environment Operating Temp. 32°F-104°F (0°C-40°C)
Storage Temp. -4°F-158°F (-20°C-70°C)
Operating Humidity – 20%-80%
Storage Humidity – 10%-90%
(Humidity = non-condensing)

Approvals FCC Class A, CE, ICES-003

Compliance RoHS

Receiver

Transmitter

Rear View

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CrystalView DVI Quad

Digital CAT5/Fiber Extender

Digital CATx/Fiber KVM extender

Extends keyboard, quad video, and mouse signals up to 33,000 feet over Singlemode fiber

Supports DVI-D video at resolutions up to 1920 x 1200 @60Hz over all allowed distances; 1280 x 1024 @75Hz over all allowed distances

User selectable DDC table

Serial and Audio support on all models

Supports Singlemode and Multimode fiber cables

PS/2 and USB keyboard and mouse support

All models provide Dual access

Easily adapted to your system

Features and Benefits

- Supports:
  - 4x DVI-D Singlelink video modes
  - PS/2 or USB keyboards and mice (HID only)
  - Optional USB 2.0 support
  - Optional CWDM upgrade (Sends all data, including USB over a single pair of singlemode fiber cables)
  - Bi-Directional serial
  - Full CD Quality stereo audio
  - Extend a KVM station from a quad-head CPU using fiber cable up:

    460ft (140m) w/ CATx Cable
    656ft (200m) w/62.5μm Multimode-Fiber
    1300ft (400m) w/ 50.0μm Multimode-Fiber
    3280ft (1000m) w/50.0μm Multimode-Fiber OM3
    33,000ft (10,000m) w/9.0μm Singlemode-Fiber
- Video resolutions up to 1920 x 1200 @ 60Hz
- Supports 18/24–Bit color (18 Bit-CATx / 24 Bit-Fiber)
- Quad video model
- Local access on all models
- Compatible with all operating systems
- Fully automatic KVM sharing
- Easy installation and operation

The CrystalView™ DVI Quad Advantage

The CrystalView DVI Quad is the KVM extender of choice for businesses that need to extend and operate a quad-head computer from a great distance. The CrystalView DVI Quad makes this possible by the use of Catx, singlemode or multimode fiber cable. You can fully operate and control a computer or server from as far away as 6 miles using 9 μm singlemode fiber. The CrystalView DVI Quad supports all combinations of DVI-D monitors and video cards.

The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's keyboard, DVI-D quad video ports, and mouse connectors. The receiver connects to a keyboard, four DVI-D video monitors and mouse or KVM station. The transmitter and receiver are connected together with CATx or fiber cable depending on your model. The receiver can be up to 6 miles from the transmitter using 9μm Singlemode.

All models are available with both transmitter and receiver KVM access. The transmitter's KVM access allows an additional KVM station to be connected to the transmitter unit.

Extend quad video up to 33,000 feet over singlemode fiber cable

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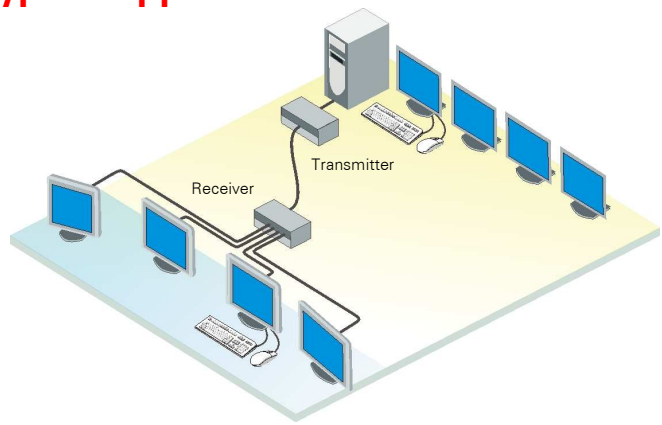
Typical Application



Quad-head DVI Video model
Digitally access a quad-head computer
locally and remotely
over CATx or Fiber

CrystalView DVI Quad basics The CrystalView DVI Quad system consists of a transmitter that connects to a PC and a receiver that connects to a keyboard, four DVI monitors, and a mouse. The transmitter and receiver units are connected together with up to 6 miles of standard fiber cable or 460 feet over CATx cable.

Models The CrystalView DVI Quad is available in a PS/2 and USB model, CATx or Fiber model. All models allow for a second KVM station next to the PCs, providing operation from the transmitter or the receiver unit.

Installation Installing the CrystalView DVI Fiber units is as easy as connecting the KVM station to the receiver, connecting the CPU to the transmitter, and connecting the transmitter to the receiver with fiber or CATx cable.

Keyboard and Mouse emulation The CrystalView DVI Quad uses a microprocessor to emulate the keyboard and mouse. Only the transmitter unit has to be connected for the PC to boot properly.

Part Numbers –Fiber & CATx Extender kits

Part Number	Description
CRK-2DTXUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, CATx
CRK-2DTXTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, CATx
CRK-2DFMUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, Multimode Fiber
CRK-2DFMTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, Multimode Fiber
CRK-2DFSUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, Singlemode Fiber
CRK-2DFSTD4DP/AUD	Quad head DVI, USB 2.0, PS/2, Audio/Serial, Singlemode Fiber
CRK-2DCWUD4DP/AUD	Quad head DVI, HID, PS/2, Audio/Serial, CWDM
CRK-2DCWTD4DP/AUD	Quad head DVI,USB 2.0, PS/2, Audio/Serial, CWDM

kits include transmitter and receiver units

Specifications

Dimensions	19.0W x 5.50D x 1.75H (in) 483 W x 140D x 44.5H (mm)
Operating Temp	+5˚C – 45˚C / 41˚F – 113˚F
Storage Temp	-25˚C – 60˚C / -13˚F – 140˚F
Humidity	80% max, non-condensing
Resolution	1920 x 1200 @60Hz over all allowed distances all lower resolutions with refresh rates of at least 75Hz
Connectors	Video – DVI – I Keyboard – MiniDIN6 / USB Type A Mouse – MiniDIN6 / USB Type A Fiber – LC fiber Audio – 3.5mm stereo audio jack Seiral – DB9F
Power	90-240 VAC
Max distance	460ft (140m) CATx 656ft (200m) w/62.5μm MM-Fiber 1300ft (400m) w/50.0μm MM-Fiber 3280ft (1000m) w/50.0μm MM-Fiber OM3 33,000ft (10,000m) w/9.0μm SM-Fiber
Serial Data:	Baud Rate - up to 19,200 Data Flow - Format independent Flow control – Xon / Xoff
Audio Data:	Signal level 5V p-p Impedance 47KΩ Connectors 3.5mm stereo jack Transmission 16 bit, 38.4KHz Digitized audio Microphone - Powered or un-powered Speakers – Powered

Transmitters

Receivers

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E-mail : info@naraevision.co.kr

CrystalView DVI Plus

Digital fiber USB Extender

Digital Fiber KVM USB extender

Supports DVI-D video resolutions up to:
1920 x 1200 @ 60Hz (Single-Link DVI)
2560 x 2048 @60Hz (Dual-link DVI)

Extends USB peripherals, keyboard, DVI video, and mouse signals over multimode fiber up to:
650ft (200m) w/ 62,5/125μ multimode-fiber
1300ft (400m) w/ 50/125μ multimode-fiber

DDC2B compliant

Supports multimode fiber cables

USB 2.0 transparent option (scanners, printers)

Two single link and one dual link model available

Features and Benefits

- Supports DVI-D graphic interfaces in an uncompressed mode.
- Models available
  - Single Link DVI - single or dual video + USB 2.0 1920 x 1200 resolution
  - Dual Link DVI - single video + USB 2.0 2560 x 2048 resolution
- Supports:
  - DVI-D video modes
  - Transparent USB 2.0 (cameras, scanners, printers, other USB 2.0 compliant devices)
- Extend a KVM station from a CPU using fiber cable up to 1/4 mile
- Compatible with all operating systems
- Compatible with major KVM switches
- Link LED indicators on all units
- Easy installation and operation
- Rack mount options for mounting in a 19" rack

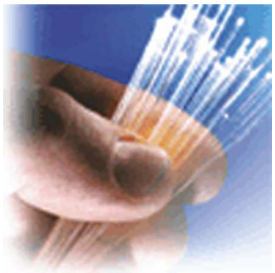
The CrystalView™ DVI Plus Advantage

The CrystalView DVI Plus is the KVM extender of choice for businesses that need to extend and operate a computer, server, or KVM switch from a great distance. You can fully operate and control a computer or server, and your USB peripherals from as far away as 1/4 mile using 50/125 μ multimode fiber. The CrystalView DVI Plus supports all combinations of DVI-D monitors, video cards, and USB 2.0 transparent devices.

The extenders support DVI graphical interfaces in an uncompressed mode. The uncompressed transfer of DVI data results in a display with no picture corruption or frame dropping at full speed. Video movements are smooth even at the highest resolution.

The system consists of two units; a transmitter and a receiver. The transmitter connects to your CPU's USB port and DVI-D monitor connector. The receiver connects to a USB keyboard, USB mouse, DVI-D video monitor and USB 2.0 devices (cameras, printers, scanners). The transmitter and receiver are connected together with fiber cable. The receiver can be up to 1/4 mile from the transmitter using 50/125μ Multimode-Fiber.

If your system requires dual video, the CrystalView DVI Plus dual video model can fully support it.



Fiber makes extended distances easy to reach

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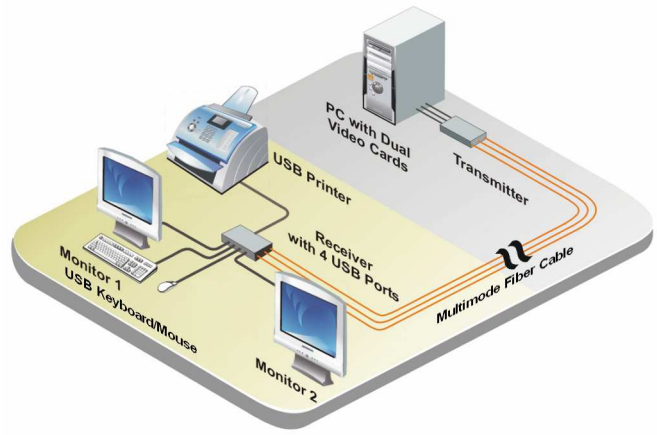
Typical Application



Dual DVI Video model Application

CrystalView DVI Plus basics The CrystalView DVI Plus system consists of a transmitter that connects to a PC, or server and a receiver that connects to a USB keyboard, DVI monitor, and USB mouse. Additional, USB 2.0 compliant devices such as a USB printer or camera can be connected to the receiver unit. The transmitter and receiver units are connected together with up to 1/4 miles of standard multimode fiber cable.

Models The CrystalView DVI Plus is available in three different models to meet your system application requirements. Two single link models and one dual link model. All models support USB keyboards and mice, DVI video, and USB 2.0 compliant devices. The dual video model is available for systems that need to digitally transmit a second video source.

Installation Installing the CrystalView DVI Plus units is as easy as connecting the KVM station and USB devices to the receiver, connecting the computer to the transmitter, and connecting the transmitter to the receiver with fiber cable.

Keyboard and Mouse emulation The CrystalView DVI Plus uses a microprocessor to emulate the keyboard and mouse. Only the transmitter unit has to be connected for the PC to boot properly.

Part Numbers –

Single Link Models

Part Number	Description
CRK-1DFMT1SL	Single Video + USB 2.0
CRK-1DFMT2SL	Dual Video + USB 2.0
CRK-1DFMH1SL	Single Video + USB HID
CRK-1DFMH2SL	Dual Video + USB HID

Dual Link Models

CRK-1DFMT1DL	Single Video + USB 2.0
CRK-1DFMH1DL	Single Video + USB HID

/AUD = Audio option

Specifications

Dimensions	5.2W x 7.1D x 1.7H (in) 133W x 180D x 43H (mm)
Weight	2.6 lbs / 1.2 kg (both units)
Operating Temp	5˚C – 45˚C / 41˚F – 113˚F
Storage Temp	-25˚C – 60˚C / -13˚F – 140˚F Humidity 80% max, non-condensing
Resolution	1920 x 1200 @ 60 Hz (single Link) 2560 x 2048 @ 60 Hz (Dual Link)
Connectors	Video – DVI-D Keyboard – USB Type A Mouse – USB Type A Fiber – SC fiber
Power	90-240 VAC to 5.0 VDC / app. 10W
Power Requirements	Local unit: 750 ma max Remote Unit: 750 ma max
Max distance	650ft (200m) 62,5μm Multimode 1300ft (400m) 50.0μm Multimode
Indicators (LEDs)	Power USB / Video 1 & 2 Diagnostic LEDs

Serial Data:

Baud Rate	up to 19,200
Data Flow	Format independent
Flow control	RTS, CTS, DTR, DSR

Audio Data:

Signal level	5V p-p
Impedance	47KΩ
Connectors	3.5mm stereo jack
Transmission	16 bit, 38.4KHz Digitized audio
Microphone	Powered or un-powered
Speakers	Powered

Approvals CE

Rear View single / dual Link – single Video – USB 2.0

Rear View single Link – dual Video – USB 2.0

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www.naraevision.co.kr
E-mail : info@naraevision.co.kr

ViewLink CATx

MICRO-MINI KVM EXTENDER

ADVANCED KVM EXTENDER

Extend keyboard, video, and mouse up to 1,000' over CATx

Advanced automatic compensation and equalization

Automated video skew adjustments (Option)

Models available for PS/2, USB, or both

Up to 1920 x 1440 video resolution @ 300'[

Features and Benefits

- Cable length compensation adjustments are automatically performed
- Video equalization and gain can be fine tuned with simple keyboard commands
- Optional automatic skew adjustments produce a crystal clear display no matter what cable type is used (recommended for cable lengths over 300')
- Supports:
  - SVGA, VGA, XGA, RGB video modes
  - PS/2 or USB keyboards and mice
  - Automatic Skew Adjustment (optional)
- Extend two KVM station up to 1,000 feet away from a CPU using CATx solid core cable (CAT5, 5e, 6, or 7) (Skew model is recommended for distances over 300')
- Video resolution up to 1920 x 1440 @ 60Hz
- Compatible with Rose Electronics KVM switches
- Operating system independent
- Supports 35 different country specific operating systems and keyboards
- Uses a microprocessor to emulate the keyboard and mouse. The keyboard and mouse on the remote unit do not have to be connected for the PC to boot; only the local unit must be connected to the PC
- Made in USA

The ViewLink™ Advantage . . .

The ViewLink Micro-Mini CATx KVM extender is the extender of choice for businesses big and small that must control a computer from an extended distance.

The ViewLink Micro-Mini CATx allows you to position a computer up to 1,000 feet away from the KVM station using common twisted pair CATx cable. Use any length of data cable up to 1,000 feet, ViewLink Micro-Mini CATx KVM extender will automatically calculate the cable length, set the gain and equalization, and adjust the video skew (option) to provide a crystal clear image. No jumpers to set or knobs to adjust.

Remote access to your computers is made convenient in a variety of situations. You can locate users away from hazardous industrial environments; locate computers away from areas vulnerable to theft of hardware and data, reduce noise and heat, and increase desk and floor space.

The ViewLink Micro-Mini CATx extender is available in the following models:

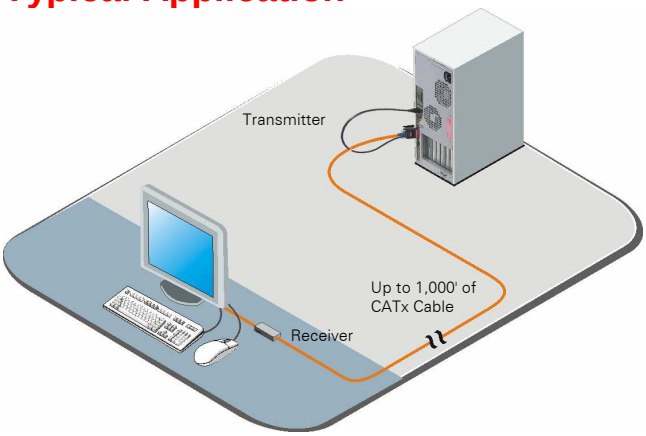
- PS/2 single access
- USB single access
- PS/2 and USB to PS/2 single access
- PS/2 and USB to USB single access
- Video only

Options:
Automatic video skew adjustments

Connect the transmitter directly to a PCs
Video, keyboard, and mouse ports

ROSE ELECTRONICS
WWW.ROSE.COM

Typical Application



Remote and local access using Dual model

ViewLink Micro-Mini CATx KVM extender basics The ViewLink Micro-Mini CATx system consists of a transmitter unit that connects to the video, keyboard, and mouse ports on a PC, server, or to a KVM switch. The receiver unit connects to a keyboard, monitor, and mouse. The transmitter and receiver units are connected together with up to 1,000 feet of standard CATx cable.

When you initialize the extender, it automatically senses the cable distance between the receiver and transmitter units, automatically adjusts the gain, and sets up everything for you. There are keyboard commands that allow you to fine tune the video, but they are rarely needed.

The auto-skew models will automatically adjust the RGB video components to product a crystal clear display through patch panels and different cable types.

The ideal environment for the extender is to connect the transmitter unit to a Rose Electronics KVM switch. Expanding the switch allows access to 1,000 computers or servers.

Installation Installation is as easy as connecting a KVM station to the receiver, a transmitter unit to the computer, and connecting the receiver and transmitter units together with CATx solid core cable. For proper operation, all equipment should be tied to a common earth ground.

Models The ViewLink Micro-Mini KVM extender is available in a PS/2, USB, PS/2 & USB to PS/2, PS/2 & USB to USB, and a Video only model.

Keyboard and mouse emulation The ViewLink Micro-Mini KVM extender uses a microprocessor to emulate the keyboard and mouse. This means that the keyboard and mouse on the receiver unit does not have to be connected for the PC to boot. Only the transmitter unit must be connected to the PC.

Part Numbers	Description (Single access models)
VLK-TMVPRAVP	PS/2, VGA KVM Extender
VLK-TMVURAVU	USB, VGA KVM Extender
VLK-TMVBRAVP	PS/2 & USB to PS/2 VGA KVM Extender
VLK-TMVBRAVU	PS/2 & USB to USB VGA KVM Extender
VLK-TMV0RAV0-U	Video only- power from CPU's USB port
VLK-TMV0RAV0-P	Video only-power from CPU's PS/2 port
VLK-TMV0RAV0/B1.3	Video only-power from external power adapter
TRF-05D250FSUP-1.3	100-240 50/60Hz VAC to +5V power adapter
ACC-MD6M2MD6F	PS/2 "Y" cable for PS/2 receiver unit

-W suffix = Automatic Skew Adjustment Option

Specifications

Dimensions	Width	Depth	Height
Transmitter (in / cm)	1.3 / 33	1.65 / 42	0.63 / 1.6
Receiver (in / cm)	2.68 /6.8	2.625 / 6.67	1.0 / 2.54

Video:

Resolution	Up to 1920 x 1440 @ 60Hz @ 300' 1024 x 768 @ 60Hz @ 1,000'
Compatibility	SVGA, VGA, XGA, RGB
Levels	0.7V p-p
Sync type	Separate/composite TTL level
Support:	Keyboards – PC/AT, PS/2, Video – VGA, SVGA, XGA, RGB Mouse – PS/2 two button Microsoft Compatible Logitech Compatible

Connectors:

PC model	Video – HD15M (Transmitter) HD15F (Receiver) Keyboard/Mouse – PS/2
USB model	Video – HD15M (Transmitter) HD15F (Receiver) Keyboard/Mouse – USB type A
Video only	Video – HD15
Interconnect	RJ45 - CATx UTP/STP, EIA/TIA 568 (CAT5, 5e, 6, or 7)
Power:	Local – From PC Remote – External power adapter 100-240 50/60 Hz to +5V 1,0 A
Environmental:	Temp. 0°C – 45°C Humidity 0% – 80% non-condensing

Transmitters

PS/2 USB

Video only PS/2 power | Video only USB power | Video only Adapter Power

Receivers

PS/2 USB Video only

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